NOVEMBER/DECEMBER 2025

FCA62/FCS62/FSC62/CCA62/CCS62/CSC62 — PYTHON PROGRAMMING

Shanmuga Industries Arts & Science College
T.V.Malai

Time : Three hours Maximum : 75 marks

SECTION A — (10 × 2 = 20 marks)

Answer ALL questions.

1. List out the operators used for comparison.
2. Define Variable in Python.
3. What is meant by string slicing?
4. How to display last character in a string?
5. Define scope of the variable.
6. What is meant by keyword arguments in python?
7. Define flexible sorting.
8. Give an example to find median.
9. What is meant by field?
10. Define out-of-range Index.

SECTION B — (5 × 5 = 25 marks)

Answer ALL questions.

11. (a) Narrate the importance of indentation in Python with example.

Or

(b) Discuss on the importance of number data type in Python with example.

12. (a) Write a Python program to find sum of digits using while loop.

Or

(b) Exemplify the Zero Division Error in Python.

13. (a) Narrate the function definition and calling with example.

Or

(b) Write short note on set in Python.

14. (a) Give an account of lists and functions.

Or

(b) Discuss on reversing List in Python.

15. (a) Write short note on class inheritance in Python.

Or

(b) Narrate the automated testing method in Python with example.

SECTION C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. Elaborate the functions ord( ), hex( ), oct( ) and type( ) in Python.

17. Describe the statement for loop in Python with example.

18. Explain the indexing, slicing and built in functions of tuple in Python.

19. Exemplify the sorting using List in Python.

20. Explain the bank manipulation using method.

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